

Abstract of the Disclosure:

A semiconductor component has at least one Peltier element and at least one thermogenerator element that are thermally coupled to one another via a coupling device. By virtue of the thermal coupling of the Peltier element and the thermogenerator element through the coupling device, it is possible to use the Peltier element to cool a microstructure, in particular an optoelectronic component (e.g. a laser diode). Efficient temperature regulation and efficient operation of an optoelectronic component are thus possible.

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